



OIEP

RAW SEQUENCE LISTING

DATE: 04/23/2002

PATENT APPLICATION: US/09/801,784A

TIME: 11:03:20

Input Set : A:\Seq.801

Output Set: N:\CRF3\04232002\I801784A.raw

SEQUENCE LISTING

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Cassels, Frederick J.
 7 Loomis-Price, Lawrence
 9 (ii) TITLE OF INVENTION: PEPTIDES FROM A CONSENSUS PEPTIDE OF
 10 E. COLI CS4-CFA/I FAMILY PROTEINS

12 (iii) NUMBER OF SEQUENCES: 37

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: Hendricks and Assoc.

16 (B) STREET: P.O. Box 2509

17 (C) CITY: Fairfax

18 (D) STATE: VA

19 (E) COUNTRY: US

20 (F) ZIP: 22031

22 (v) COMPUTER READABLE FORM:

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

28 (vi) CURRENT APPLICATION DATA:

C--> 29 (A) APPLICATION NUMBER: US/09/801,784A

C--> 30 (B) FILING DATE: 09-Mar-2001

31 (C) CLASSIFICATION:

33 (viii) ATTORNEY/AGENT INFORMATION:

34 (A) NAME: Hendricks, Glenna M.

35 (B) REGISTRATION NUMBER: 32,35

36 (C) REFERENCE/DOCKET NUMBER: cas801

38 (ix) TELECOMMUNICATION INFORMATION:

39 (A) TELEPHONE: (301) 619-7808

40 (B) TELEFAX: (301) 619-5034

43 (2) INFORMATION FOR SEQ ID NO: 1:

45 (i) SEQUENCE CHARACTERISTICS:

46 (A) LENGTH: 36 amino acids

47 (B) TYPE: amino acid

48 (C) STRANDEDNESS: single

49 (D) TOPOLOGY: unknown

51 (ii) MOLECULE TYPE: peptide

53 (iii) HYPOTHETICAL: NO

55 (iv) ANTI-SENSE: NO

57 (vi) ORIGINAL SOURCE:

58 (A) ORGANISM: E. coli

59 (B) STRAIN: CS4-CFA/I

62 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

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```

64   Val Glu Lys Asn Ile Thr Val Thr Ala Ser Val Asp Pro Thr Ile Asp
65   1             5             10             15
67   Leu Leu Gln Ala Asp Gly Ser Ala Leu Pro Ser Ala Val Ala Leu Thr
68             20             25             30
70   Tyr Ser Pro Ala
71             35

```

74 (2) INFORMATION FOR SEQ ID NO: 2:

76 (i) SEQUENCE CHARACTERISTICS:

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77       (A) LENGTH: 12 amino acids
78       (B) TYPE: amino acid
79       (C) STRANDEDNESS: single
80       (D) TOPOLOGY: unknown

```

82 (ii) MOLECULE TYPE: peptide

84 (iii) HYPOTHETICAL: NO

86 (iv) ANTI-SENSE: NO

88 (vi) ORIGINAL SOURCE:

89 (A) ORGANISM: E. coli

90 (B) STRAIN: CS4-CFA/I

93 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

```

95   Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala
96   1             5             10

```

98 (2) INFORMATION FOR SEQ ID NO: 3:

100 (i) SEQUENCE CHARACTERISTICS:

```

101       (A) LENGTH: 16 amino acids
102       (B) TYPE: amino acid
103       (C) STRANDEDNESS: single
104       (D) TOPOLOGY: unknown

```

106 (ii) MOLECULE TYPE: peptide

108 (iii) HYPOTHETICAL: NO

110 (iv) ANTI-SENSE: NO

112 (vi) ORIGINAL SOURCE:

113 (A) ORGANISM: E. coli

114 (B) STRAIN: CS4-CFA/I

117 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

```

119   Thr Val Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala Asp
120   1             5             10             15

```

124 (2) INFORMATION FOR SEQ ID NO: 4:

126 (i) SEQUENCE CHARACTERISTICS:

```

127       (A) LENGTH: 15 amino acids
128       (B) TYPE: amino acid
129       (C) STRANDEDNESS: single
130       (D) TOPOLOGY: unknown

```

132 (ii) MOLECULE TYPE: peptide

134 (iii) HYPOTHETICAL: NO

136 (iv) ANTI-SENSE: NO

138 (vi) ORIGINAL SOURCE:

139 (A) ORGANISM: E. coli

140 (B) STRAIN: CS4-CFA/I

143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:

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145 Val Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala Asp
 146 1 5 10 15

148 (2) INFORMATION FOR SEQ ID NO: 5:

150 (i) SEQUENCE CHARACTERISTICS:

151 (A) LENGTH: 14 amino acids

152 (B) TYPE: amino acid

153 (C) STRANDEDNESS: single

154 (D) TOPOLOGY: unknown

156 (ii) MOLECULE TYPE: peptide

158 (iii) HYPOTHETICAL: NO

160 (iv) ANTI-SENSE: NO

162 (vi) ORIGINAL SOURCE:

163 (A) ORGANISM: E. coli

164 (B) STRAIN: CS4-CFA/I

167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

169 Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala Asp

170 1 5 10

172 (2) INFORMATION FOR SEQ ID NO: 6:

174 (i) SEQUENCE CHARACTERISTICS:

175 (A) LENGTH: 13 amino acids

176 (B) TYPE: amino acid

177 (C) STRANDEDNESS: single

178 (D) TOPOLOGY: unknown

180 (ii) MOLECULE TYPE: peptide

182 (iii) HYPOTHETICAL: NO

184 (iv) ANTI-SENSE: NO

186 (vi) ORIGINAL SOURCE:

187 (A) ORGANISM: E. coli

188 (B) STRAIN: CS4-CFA/I

191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:

193 Thr Ala Ser Val Asp Pro Thr Ile Asp Leu Leu Gln Ala

194 1 5 10

196 (2) INFORMATION FOR SEQ ID NO: 7:

198 (i) SEQUENCE CHARACTERISTICS:

199 (A) LENGTH: 8 amino acids

200 (B) TYPE: amino acid

201 (C) STRANDEDNESS: single

202 (D) TOPOLOGY: unknown

204 (ii) MOLECULE TYPE: peptide

206 (iii) HYPOTHETICAL: NO

208 (iv) ANTI-SENSE: NO

210 (vi) ORIGINAL SOURCE:

211 (A) ORGANISM: E. coli

212 (B) STRAIN: CS4-CFA/I

215 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:

217 Val Glu Lys Asn Ile Thr Val Thr

218 1 5

220 (2) INFORMATION FOR SEQ ID NO: 8:

222 (i) SEQUENCE CHARACTERISTICS:

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Input Set : A:\Seq.801

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223 (A) LENGTH: 8 amino acids
224 (B) TYPE: amino acid
225 (C) STRANDEDNESS: single
226 (D) TOPOLOGY: unknown
228 (ii) MOLECULE TYPE: peptide
230 (iii) HYPOTHETICAL: NO
232 (iv) ANTI-SENSE: NO
234 (vi) ORIGINAL SOURCE:
235 (A) ORGANISM: E. coli
236 (B) STRAIN: CS4-CFA/I
239 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
241 Glu Lys Asn Ile Thr Val Thr Ala
242 1 5
244 (2) INFORMATION FOR SEQ ID NO: 9:
246 (i) SEQUENCE CHARACTERISTICS:
247 (A) LENGTH: 8 amino acids
248 (B) TYPE: amino acid
249 (C) STRANDEDNESS: single
250 (D) TOPOLOGY: unknown
252 (ii) MOLECULE TYPE: peptide
254 (iii) HYPOTHETICAL: NO
256 (iv) ANTI-SENSE: NO
258 (vi) ORIGINAL SOURCE:
259 (A) ORGANISM: E. coli
260 (B) STRAIN: CS4-CFA/I
263 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
265 Lys Asn Ile Thr Val Thr Ala Ser
266 1 5
268 (2) INFORMATION FOR SEQ ID NO: 10:
270 (i) SEQUENCE CHARACTERISTICS:
271 (A) LENGTH: 8 amino acids
272 (B) TYPE: amino acid
273 (C) STRANDEDNESS: single
274 (D) TOPOLOGY: unknown
276 (ii) MOLECULE TYPE: peptide
278 (iii) HYPOTHETICAL: NO
280 (iv) ANTI-SENSE: NO
282 (vi) ORIGINAL SOURCE:
283 (A) ORGANISM: E. coli
284 (B) STRAIN: CS4-CFA/I
287 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
289 Asn Ile Thr Val Thr Ala Ser Val
290 1 5
292 (2) INFORMATION FOR SEQ ID NO: 11:
294 (i) SEQUENCE CHARACTERISTICS:
295 (A) LENGTH: 8 amino acids
296 (B) TYPE: amino acid
297 (C) STRANDEDNESS: single
298 (D) TOPOLOGY: unknown

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300 (ii) MOLECULE TYPE: peptide
302 (iii) HYPOTHETICAL: NO
304 (iv) ANTI-SENSE: NO
306 (vi) ORIGINAL SOURCE:
307 (A) ORGANISM: E. coli
308 (B) STRAIN: CS4-CFA/I
311 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
313 Ile Thr Val Thr Ala Ser Val Asp
314 1 5
316 (2) INFORMATION FOR SEQ ID NO: 12:
318 (i) SEQUENCE CHARACTERISTICS:
319 (A) LENGTH: 8 amino acids
320 (B) TYPE: amino acid
321 (C) STRANDEDNESS: single
322 (D) TOPOLOGY: unknown
324 (ii) MOLECULE TYPE: peptide
326 (iii) HYPOTHETICAL: NO
328 (iv) ANTI-SENSE: NO
330 (vi) ORIGINAL SOURCE:
331 (A) ORGANISM: E. coli
332 (B) STRAIN: CS4-CFA/I
335 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
337 Thr Val Thr Ala Ser Val Asp Pro
338 1 5
340 (2) INFORMATION FOR SEQ ID NO: 13:
342 (i) SEQUENCE CHARACTERISTICS:
343 (A) LENGTH: 8 amino acids
344 (B) TYPE: amino acid
345 (C) STRANDEDNESS: single
346 (D) TOPOLOGY: unknown
348 (ii) MOLECULE TYPE: peptide
350 (iii) HYPOTHETICAL: NO
352 (iv) ANTI-SENSE: NO
354 (vi) ORIGINAL SOURCE:
355 (A) ORGANISM: E. coli
356 (B) STRAIN: CS4-CFA/I
359 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
361 Val Thr Ala Ser Val Asp Pro Thr
362 1 5
364 (2) INFORMATION FOR SEQ ID NO: 14:
366 (i) SEQUENCE CHARACTERISTICS:
367 (A) LENGTH: 8 amino acids
368 (B) TYPE: amino acid
369 (C) STRANDEDNESS: single
370 (D) TOPOLOGY: unknown
372 (ii) MOLECULE TYPE: peptide
374 (iii) HYPOTHETICAL: NO
376 (iv) ANTI-SENSE: NO
378 (vi) ORIGINAL SOURCE:

VERIFICATION SUMMARY

DATE: 04/23/2002

PATENT APPLICATION: US/09/801,784A

TIME: 11:03:21

Input Set : A:\Seq.801

Output Set: N:\CRF3\04232002\I801784A.raw

L:29 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:30 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]